Omer Lev – Curriculum Vitæ

Post-doctoral fellow at the department of computer science in the University of Toronto, Canada; hosted by Prof. Allan Borodin.

Research Interests	Crowd activities (crowdsourcing, crowdfunding), social networks, mechanism design, and computational social choice. Analysis using algorithmic game theory, simulations, and real-world data.
Education	PhD. in Computer Science , Hebrew University of Jerusalem – 2010-2015 Advised by Prof. Jeffrey S. Rosenschein, and part of the MultiAgent Systems (MAS) group. Thesis: <i>Agent Modeling of Human Interaction: Stability, Dynamics and Cooperation.</i>
	MSc. in Mathematics , Hebrew University of Jerusalem – 2007-2010 Advised by Prof. Sergiu Hart, on multi-item auction. Thesis: <i>A Two-Dimensional Problem of Revenue Maximization.</i>
	MBA, Hebrew University of Jerusalem (as part of the CS-MBA program) – 2007-2008 Majored in finance and business strategy.
	BSc. in Computer Science and Mathematics (and graduate of the "Amirim" excellence program for Faculty of Science students), Hebrew University of Jerusalem – 2004-2007 Graduated cum laude, and wrote an "Amirim" research project under Prof. Orna Kupferman's supervision [see below].
Teaching	Taught the course "Mathematical Foundations of Artificial Intelligence" during spring 2014 and 2015. Teaching assistant for "Operating Systems" course during spring 2011, 2012 and 2013. Junior teaching assistant for "Mathematical Logic (1)" and "Infinitesimal Calculus (2)" during 2008 and 2009.
Honors	Awarded Microsoft Research PhD. scholarship. MSc. Excellence award during the 2007/8 academic year. Dean's list for the 2004/5 and 2005/6 academic years.
Professional Experience	Microsoft Research – 2013-2015 Working at Microsoft Research on various research directions, particularly in game theory and recommendation systems.
	NDS [now part of Cisco] – 2006-2013 Worked as a part-time programmer at NDS Technologies, specifically in smart-card development. Programming mainly in C/C++, C# and ASP.NET (and a bit in Python).

Publications Convergence and Quality of Iterative Voting Under Non-Scoring Rules – IJCAI 2017 Aaron Koolyk, Tyrone Strangway, Omer Lev and Jeffrey S. Rosenschein.

> **Group Recommendations: Axioms, Impossibilities, and Random Walks** – TARK 2017 Omer Lev and Moshe Tennenholtz.

Distant Truth: Bias Under Vote Distortion Cost — AAMAS 2017 Svetlana Obraztsova, Omer Lev, Evangelos Markakis, Zinovi Rabinovich and Jeffrey S. Rosenschein.

Divide and Conquer: Using Geographic Manipulation to Win District-Based Elections – AAMAS 2017

Yoad Lewenberg, Omer Lev and Jeffrey S. Rosenschein.

Agent Failures in All-Pay Auctions — IEEE Intelligent Systems, January-February 2017 Yoad Lewenberg , Omer Lev, Yoram Bachrach and Jeffrey S. Rosenschein.

Convergence of Iterative Scoring Rules — Journal of Al Research (JAIR), December 2016 Omer Lev and Jeffrey S. Rosenschein.

Misrepresentation in District Voting – IJCAI 2016 Yoram Bachrach, Omer Lev, Yoad Lewenberg and Yair Zick.

Budgetary Effects on Pricing Equilibrium in Online Markets – AAMAS 2016 Allan Borodin, Omer Lev and Tyrone Strangway.

Strategyproof Peer Selection: Mechanisms, Analyses, and Experiments — AAAI 2016 Haris Aziz, Omer Lev, Nicholas Mattei, Jeffrey S. Rosenschein and Toby Walsh.

How Robust is the Wisdom of the Crowds? – IJCAI 2015 Noga Alon, Michal Feldman, Omer Lev and Moshe Tennenholtz.

Impartial Peer Review — IJCAI 2015 David Kurokawa, Omer Lev, Jamie Morgenstern and Ariel D. Procaccia.

An Axiomatic Approach to Routing — TARK 2015 Omer Lev, Moshe Tennenholtz and Aviv Zohar.

Beyond Plurality: Truth-Bias in Binary Scoring Rules — ADT 2015 Svetlana Obraztsova, Omer Lev, Evangelos Markakis, Zinovi Rabinovich and Jeffrey S. Rosenschein.

The Pricing War Continues: On Competitive Multi-Item Pricing — AAAI 2015 Omer Lev, Joel Oren, Craig Boutilier and Jeffrey S. Rosenschein.

	Analysis of Equilibria in Iterative Voting Schemes — AAAI 2015 Zinovi Rabinovich, Svetlana Obraztsova, Omer Lev, Evangelos Markakis and Jeffrey S. Rosenschein.
	A Local-Dominance Theory of Voting Equilibria — EC 2014 Reshef Meir, Omer Lev and Jeffrey S. Rosenschein.
	Cooperative Weakest Link Games — AAMAS 2014 Yoram Bachrach, Omer Lev, Shachar Lovett, Jeffrey S. Rosenschein and Morteza Zadimoghaddam.
	Agent Failures in All-Pay Auctions — IJCAI 2013 Yoad Lewenberg, Omer Lev, Yoram Bachrach and Jeffrey S. Rosenschein.
	Mergers and Collusion in All-Pay Auctions and Crowdsourcing Contests – AAMAS 2013
	Omer Lev, Maria Polukarov, Yoram Bachrach and Jeffrey S. Rosenschein.
	Empirical Analysis of Plurality Election Equilibria — AAMAS 2013 David R.M. Thompson, Omer Lev, Kevin Leyton-Brown and Jeffrey S. Rosenschein.
	Convergence of Iterative Voting — AAMAS 2012 Omer Lev and Jeffrey S. Rosenschein.
	An Algorithm for the Coalitional Manipulation Problem under Maximin — AAMAS 2011 Michael Zuckerman, Omer Lev and Jeffrey S. Rosenschein.
	A Two-Dimensional Problem of Revenue Maximization — Journal of Mathematical Economics, December 2011 [<i>MSc. thesis</i>] Omer Lev.
	On the Relative Succinctness of Nondeterministic Büchi and co-Büchi Word Automata — LPAR 2008 ["Amirim" project] Benjamin Aminof, Orna Kupferman and Omer Lev.
Service	Co-organizer of the EXPLORE 2017 workshop.
	PC member for IJCAI (2015, 2016, 2017), AAAI (2017), AAMAS (2017), ECAI (2016). [workshops: EXPLORE (2015, 2016), COOPMAS (2016)].
	Reviewer for IJCAI (2013), AAAI (2011, 2014, 2015, 2016), EC (2014, 2015, 2017), STOC (2017), AAMAS (2012, 2013, 2015, 2016), WINE (2013, 2014, 2015, 2016), WSDM (2016), ICWSM (2014), SAGT (2014). [workshop: COMSOC (2012, 2014, 2016)].
	Journal reviewer for AIJ, JAIR, JAAMAS, TOCS, JCSS, MOR and EJOR.